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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/899,088	07/06/2001	Toshiaki Nakano	Q65341	3529

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SUGHRUE, MION, ZINN, MACPEAK & SEAS
2100 Pennsylvania Avenue, N.W.
Washington, DC 20037-3202

EXAMINER

BROADHEAD, BRIAN J

ART UNIT	PAPER NUMBER
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3661

MAIL DATE	DELIVERY MODE
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05/03/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

09/899,088

Applicant(s)

NAKANO, TOSHIAKI

Examiner

Brian J. Broadhead

Art Unit

3661

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 February 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 4-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 4-13 is/are rejected.
- 7) ☒ Claim(s) 1 and 4-13 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 July 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claim Objections

1. Claims 1 and 4 through 13 are objected to because of the following informalities:
For all of the claims, the added limitation refers to a vehicle and when this vehicle travels off a route displayed on a terminal unit current position would be sent to the server. The terminal unit is never claimed as being in the vehicle. It has been assumed that this is what is meant to be claimed but it needs to be clarified.
2. As per claim 1, the claim is directed towards a server but the added limitations include an action performed by a terminal unit. It would be more appropriate to claim the server receiving the location from the terminal unit rather than claiming the terminal unit sending the location when the vehicle (terminal unit) travels off route.
3. Appropriate correction is required.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1, and 4 through 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chervený et al., 2003/0125871, in view of Drury et al., 2004/0104842.
3. Chervený et al. disclose location data receiving means for receiving present location data from said terminal unit via said communication network in paragraphs 36

and 39; road network data updating means for creating locus data on the basis of said present location data thus received to update said constructed road network data in paragraph 50; a comparing/collating section for comparing/collating a locus data of said location data with said road network data in paragraph 50; a road information updating section for updating said locus data as the road information if road data corresponding to said locus data has not set in said road network data on the basis of a result of comparing/collating in paragraph 50; road information updating decision section for deciding said locus data as the road information to be updated if the locus data obtained by a prescribed number of terminal units have substantially the same locus in paragraphs 50 through 52; and wherein, when a vehicle travels off a route on a road map displayed on at least one of said terminal units, said at least one of said terminal units sends a current position to the server in paragraphs 35-39, 4, and 32 (the vehicles are disclosed as having navigation systems (par. 32), navigation systems are disclosed as having displays (par. 4), filtered sensor data which includes data that represents the position of the device is disclosed as being sent as it is obtained (par. 39), and this would include while displaying directions to a driver); said map information includes node data indicative of point information on a map and link data indicative of road information on the map, and said road network site correlates these data and transmits these correlated data as road data to be updated to the terminal unit in figure 4a and paragraphs 5, 53, and 68-81; the server is configured to update road information in a map information providing system in paragraph 50-53; and the server has road information constructed therein in paragraph 47. Chervený et al., do not disclose the

desired road information is provided in accordance with a request from each of the terminal units. Cherveney et al. only discloses that updates are distributed and doesn't say whether the central station or the terminals initiate the updates. Drury et al. teaches the desired road information is provided in accordance with a request from each of the terminal units in paragraph 350. It would have been obvious to one of ordinary skill in the art at the time the invention was made to use the teaching of Drury et al. in the invention of Cherveney et al. because such modification would provide a way to initiate the updates disclosed in Cherveney et al.

Response to Arguments

4. Applicant's arguments filed 2-16-07 have been fully considered but they are not persuasive. Cherveney et al. disclose the added limitations as shown in the above rejection. In Cherveney et al. the vehicles are disclosed as having navigation systems (par. 32), navigation systems are disclosed as having displays (par. 4), filtered sensor data which includes data that represents the position of the device is disclosed as being sent as it is obtained (par. 39), and this would include sending the filtered data while displaying directions to a driver.

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian J. Broadhead whose telephone number is 571-272-6957. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black can be reached on 571-272-6956. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Brian J. Broadhead
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